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# FOLIO

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## Board of Governors

*The regular monthly meeting of the University's Board of Governors was held on Friday, 6 June. The following matters were among those discussed.*

### *Building Committee*

Some of the report of the Building Committee was concerned with the restoration of three buildings on campus: Assiniboia Hall, the Henry Marshall Tory Building, and the Biological Sciences Centre.

The largest amount of money approved by the Board for the restoration of the three buildings went to Assiniboia Hall—\$3,977,000—for the "complete replacement of the interior structure and improvements to the exterior shell." Assiniboia Hall is one of the oldest buildings on campus and, as recognized by the Board in September 1978, is very definitely a part of our University's heritage. It is envisaged that work will begin on

the restoration later this summer and that the renovations will be completed by late spring 1982. At present, Assiniboia Hall is unoccupied as a result of its unsafe condition.

The other two buildings, the Henry Marshall Tory Building and the Biological Sciences Centre, have both experienced problems in their external cladding. The structural deficiencies of the Biological Sciences Centre, a building designed by Alberta Public Works and erected by five different contractors, were first observed in 1971 and have subsequently been recognized by the designing agency as a contract deficiency. After a large section of Tyndall Stone separated from the seventh floor of the east side of the Zoological Wing in 1976, the cladding was removed from this and from the east and west elevations of the Botany Wing. Metal cladding was then installed in its place. According to the information supplied to the Board on Friday, 6 June, problems encountered include "lack of expansion joints, veneer cracking, lack of fastening devices, no vapor barrier around windows and moisture problems in cavity wall."

The particularly hazardous problems of loose coping stone and stone banding were given immediate attention after the building was thoroughly inspected. The funds approved by the Board for the restoration of the building—\$875,000—have come to the University as a special grant from Alberta Advanced Education and Manpower.

Similar cladding problems have also beset the Henry Marshall Tory Building designed by Alberta

Public Works and erected by Burns and Dutton Construction Ltd. (now Cana Construction Ltd.). The problems, which have resulted in the stripping of cladding from the east and west elevations of the tower, were first observed in mid-1979 when "significant exterior wall movement" took place on the thirteenth floor of the west elevation of the tower. According to the information supplied to the Board, the "stone was on the verge of falling off the face of the building because lintels and ties which should have been used on the initial installation were not provided."

The funds approved by the Board on Friday, 6 June, will allow the stripped east and west faces of the tower to be re-finished in an appropriate manner.

### *Appointments*

The Academic Concerns Committee announced that it had approved the re-appointment of C.R. James as Chairman of the Department of Electrical Engineering.

Dr. James is an alumnus of the University of British Columbia, where he gained his baccalaureate, master and doctoral degrees. He was first appointed to the University's staff in 1965 as an Assistant Professor, becoming Professor in 1971. Dr. James has already served two terms as Chairman of Electrical Engineering (from 1974 to 1980). His new term will expire on 30 June 1983.

D. Magee is to be the new Chairman of the Department of Physical Therapy. Currently an Associate Professor, Mr. Magee gained a BA at Lakehead Uni-

versity in 1968 and a BPT from The University of Alberta in 1972. In 1975, he was awarded an MSc by this University and expects to complete his doctoral studies later this year. Mr. Magee, who was first appointed to the staff as Lecturer in 1973, will hold a three-year term of office from 7 July 1980.

The new Chairman of the Department of Pathology will be T.K. Shnitka. Dr. Shnitka is an alumnus of this University, having gained a BSc in 1948, the MSc in 1952, and the MD in 1953. He received the designation LMCC in 1954, the CRCP(C) in 1958, and the FRCP(C) in 1972. First appointed to staff in 1954 as Instructor, Dr. Shnitka was made Professor in 1967. He will hold a five-year term of office to expire on 30 June 1985. □

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## Division Chairmen, Home Economics

The Faculty of Home Economics has recently appointed Elizabeth Crown and Zenia Hawrysh to the chairmanship of the Divisions of Clothing and Textiles and Foods and Nutrition respectively.

Dr. Hawrysh succeeds Dr. Ruth Renner who is retiring this year after some thirty-one years at this University.

Dr. Hawrysh completed her undergraduate work in the School of Household Economics and joined the School in 1960 as a Lecturer having just completed her MS degree in Foods at Michigan State University. After a brief leave to complete her PhD in Food Science at Michigan State, Dr. Hawrysh rejoined the Faculty

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## Attention Folio Contributors

The University of Alberta will be closed on Monday, 30 June, and Tuesday, 1 July. This closure seriously affects the production schedule of *Folio*. As a result all material destined for inclusion in the 3 July issue of the bulletin, and especially advertisements, must be submitted to the Office of Community Relations in Athabasca Hall no later than the morning of Tuesday, 24 June. Materials submitted after that date will not be considered for inclusion in the 3 July issue. □

of Home Economics and was promoted to Professorship in 1976. She is engaged in a very active research program relating to the eating quality of various meats.

Dr. Hawrysh is a Director of the Central and East European Studies Association and a member of the Dnipro Ensemble of Edmonton.

Dr. Elizabeth Crown has been with the Faculty since 1969. She graduated with a Bachelor's and a Master's Degree from the University of Guelph and instructed at Ryerson Polytechnical Institute before coming to Alberta. She received her PhD in Educational Administration from The University of Alberta in 1978. Dr. Crown was Associate Dean of the Faculty of Home Economics from 1977-79. Her research interests have been in consumer reaction to various properties of textiles. Dr. Crown was one of the persons instrumental in establishing the Textiles Analysis Service within the Faculty. She is an active member of the Home Economics Professional Associations at the local, provincial and national levels. Dr. Crown succeeds Dr. Anne Kernaleguen, who became a member of the staff here in 1970. □

## Chemistry Symposium Organized in Honor of R. U. Lemieux

R.U. Lemieux of the Department of Chemistry will celebrate his sixtieth birthday on 16 June. It may not be easy, however, for one to get a congratulatory word in edgewise as Dr. Lemieux will be surrounded by an international group of chemists and biochemists, all of whom are former students or colleagues of his.

The springboard to this gathering—"The International Symposium on Carbohydrate Chemistry and Antibiotics"—was organized by the Department of Chemistry as a means of honoring Dr. Lemieux on the occasion of his sixtieth birthday.

Dr. Lemieux has, of course, exerted "a major influence on chemical education in Canada and has shown leadership in the establishment of Canadian industry by founding three companies (R&L Molecular Research in 1962, Raylo Chemicals in 1966 and ChemBioMed in 1979.)"

A series of lectures revolving around recent developments in the chemistry and biochemistry of carbohydrates and antibiotics will be held in E-160, Department of Chemistry, on 16 and 17 June. H.E. Gunning, Killam Professor and Past President of The University of Alberta, will open the symposium at 9 a.m. on Monday 16 June.

The other speakers for the morning session are Bernard Belleau, Professor of Chemistry at McGill University; Harold Booth, University of Nottingham; H. Driguez, CNRS, Grenoble; and David R. Bundle, NRC Division of Biological Sciences.

J. William Lown, Professor of Chemistry at this University, will chair the session.

The symposium will resume at 2 p.m. with a lecture by Frank A.L. Anet, University of California at Los Angeles. He will be followed by Robert J. Cushley, Simon Fraser University; R.B. Morin, Bristol Laboratories, Syracuse, New York; and, at

5 p.m. by A. Gavin McInnes, Atlantic Regional Laboratory, NRC Halifax. Saul Wolfe, Queen's University, will be the chairman.

On 17 June, the lecture line-up is as follows: Professor Wolfe; A. Richard Morgan, University of Alberta; Professor Lown; Louis Delbaere, University of Saskatchewan; and K.A. Watanabe, Sloan-Kettering.

The session will start at 9 a.m. under the chairmanship of Bert Fraser-Reid, University of Maryland.

T.L. Nagabushan, Associate Director of Anti-infectives, Schering-Plough Corporation, Bloomfield, New Jersey; D. Baker, ChemBioMed Ltd., Edmonton; and Professor Fraser-Reid will lecture during the afternoon, commencing at 2 p.m. Professor A. Richard Morgan will serve as chairman.

At 5 p.m., Dr. Lemieux will reminisce about an eventful career which has earned him recognition as one of Canada's foremost scientists. A native Albertan, Dr. Lemieux earned his BSc in chemistry at The University of Alberta and his PhD at McGill University where he gained his interest in the stereochemistry and reactions of carbohydrate structures.

His first major contribution as a chemist was the synthesis of sucrose, something which had been attempted for more than one hundred years by the world's leading chemists without success. He later did pioneering work involving the use of nuclear magnetic resonance spectroscopy to provide insight into the structure and nature of various carbohydrate molecules.

Prior to joining the faculty of The University of Alberta in 1961, Dr. Lemieux conducted research at the University of Saskatchewan and later at the National Research Council Prairie Regional Laboratory.

In 1954, he became Chairman



of the Chemistry Department and Vice-Dean of the Faculty of Pure and Applied Science at the University of Ottawa.

In recent years, his synthetic chemistry work in the field of antibiotics, particularly aminoglycosides, penicillins and cephalosporins, has led to the commercialization of several significant new life-saving drugs. His research in the related field of synthetic blood group antigens has resulted in discoveries which, according to the national director of the Red Cross Blood Transfusion Service, "will greatly contribute to the preparation of blood banking reagents throughout Canada and the whole world for years to come . . . and may be the stepping stone to even more exciting findings in tumour immunology."

Dr. Lemieux is a recipient of the Hudson Award of the American Chemical Society, The Haworth Award and Medal of the Chemical Society of London, the Medal of the Chemical Institute of Canada, and the Government of Alberta Achievement Award. In 1967, he was elected Fellow of the Royal Society (UK) and was appointed an Officer of the Order of Canada in 1968.

"The International Symposium on Carbohydrate Chemistry and Antibiotics" benefitted from funding by The University of Alberta Conference Fund, Bristol Laboratories (Syracuse, N.Y.), ChemBioMed Ltd., the Chemical Institute of Canada (Edmonton Section), and Bruker Spectrospin (Canada) Ltd. □

# FOLIO

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All inquiries and correspondence should be directed to:

Folio  
Office of Community Relations  
423 Athabasca Hall  
University of Alberta  
Edmonton, Alberta T6G 2E8  
Telephone: (403) 432-2325  
The Office of Community Relations produces Folio on a weekly basis for the staff and other interested persons.

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## Fun at the Farm

As of 30 May, 5,171 children and 894 adults had attended the ever popular Farm Tours conducted by the Office of Community Relations with the cooperation of the Department of Animal Science. During the first week of monsoons only four of forty tours cancelled out. The remainder challenged acres of mud and at times pouring rain. The rains have been a particular hardship for anyone venturing to the farm, as the roadways remain bare dirt.

The severity of the situation was emphasized by a school bus which departed from the road surface into a neighboring field. Once again the gallant men at the Farm came to the rescue and extracted the forty-two passenger bus from the axle deep mud. The ordeal of the "stuck school bus" is mentioned in the accompanying letter, one of many thank you letters received by the Office during the past few weeks. □

## National Research Council

The Honourable John Roberts, Minister of State for Science and Technology and Minister of the Environment, announced on 29 May the appointment of Dr. Larkin Kerwin as President of the National Research Council of Canada.

Born in Quebec city, Dr. Kerwin was educated at St. Francis Xavier, Toronto, the Massachusetts Institute of Technology and Laval. After a

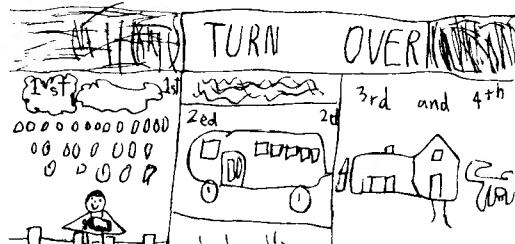
distinguished career in teaching and research, he became Vice-Rector of Laval in 1969 and Rector in 1972, a post which he held until 1977. He was elected Vice-President of the Natural Sciences and Engineering Research Council when that body was formed in 1978. Dr. Kerwin is a Fellow of the Royal Society of Canada and was its President in 1976. He is active in national and international organizations. □

## AAS:UA New Executive

The new executive of the AAS:UA for 1980-81 is: Past President, Larry Milligan, Agriculture and Forestry; President, V.G. Gourishankar, Engineering; Vice-President, Tom Powrie, Economics; Treasurer, Terry Davis, Nursing; Member-at-Large, Gordon Fearn, Sociology; Co-Chairmen Salary Committee, Andy Harrel, Sociology, Ron Bercov, Mathematics; Chairman, Economic Benefits

Committee, Larry Eberlein, Educational Psychology; Chairman, Budget Review Committee, Gerry Moss, Physics; Chairman, University Government Committee, Sharon Brintnell, Occupational Therapy; Chairman, Government Relations Committee, Bill Paranchych, Biochemistry; Chairman, Academic Welfare Committee, Gordon McIntosh, Educational Administration. □

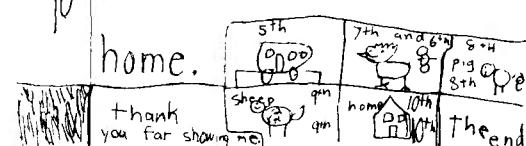
By Sean Our Trip to the Farm  
Today we came  
to school and it was  
raining. The bus ride  
to the farm was  
fun. The dairy and the  
cows were fun to see.



Are bus got stuck  
I liked the chickens  
and the turkeys  
The swines were  
stinky.

It was funny when  
the sheep ran.

After that I went  
home.  
thank you for showing me  
the end



## Strategic Funding

The Social Science and Humanities Research Council (SSHRC) has been considering strategic grants in an area now described as the "Human Context of Science and Technology" (HCST).

For the purpose of discussing possible programs a national meeting was held in November 1979 at the University of Western Ontario, and a western regional meeting at Kananaskis 22 to 24 May 1980. Drs. Frank Tester and Douglas Norrie of the University of Calgary represented this province at the national meeting. Dr. W.F. Allen of The University of Alberta and Dr. H. Habgood of the Research Council of Alberta attended the western regional meetings in May. A report of these meetings is expected shortly.

Anyone interested should contact Dr. Allen's office at 432-5682 for further information. □

## people

*E.D. Blodgett*, Comparative Literature, recently received the President's Medal, awarded by the University of Western Ontario, for an article entitled "Cold Pastoral: A Prolegomenon," *Canadian Review of Comparative Literature*, VI, 2, Special Issue Spring 1979.

*Abram G. Konrad*, Coordinator, Centre for the Study of Post-secondary Education, presented an invited address entitled "Educational Institutions: A Need to Take a Hard Look at Ourselves," at the Canadian Vocational Association/Association of Canadian Community Colleges Joint Conference '80 on 30 May 1980 at Acadia University, Wolfville, Nova Scotia.

*Jim Hackler*, Professor of Sociology, was the invited speaker

at the Family Court Clinic Conference at the Embassy West Hotel in Ottawa in May. The title of his talk was "A Tendency to Pursue Failure in Juvenile Delinquency Programs."

*Gloria M. Strathearn*, Library Science, has been awarded an Alberta 75th Anniversary Provincial Grant of \$31,000 to compile "Alberta, 1954-1979—A Provincial Bibliography." The bibliography is computer-produced, using the SPIRES program available through Computing Services, and is proposed for publication by The University of Alberta Press in the Spring, 1981.

*Herman Tennessen*, Professor of Philosophy, has been selected to a jury of three internationally renowned philosophers to decide the prizewinning monograph on the topic, "An enquiring into the importance of G. Mannoury for the Significs" (deadline 31 July 1981). The prize is offered by The Board of the Foundation for the Advancement of Methodology and Significs.

Professor *Harry Wohlfarth* has been invited by the German Academy of Colorsiences and the German Psychophysiological

Society to give two papers at the Academy Congress in Grindelwald, Switzerland, on 5 and 6 July on the topics: "The Psychophysiology of the High-frequency Chromokinetic Phenomenon" and "Color and Environment." Professor Wohlfarth has also been invited to have a one-man exhibition of paintings at the gallery of the Burckhardt Academy in Rome. The exhibition officially opens on 21 June. This Summer, the Burckhardt Academy is publishing a book on Wohlfarth's work, written by art historian Dr. Aurelio Prete, and including six color and fourteen black and white reproductions of the artist's paintings and sculpture.

*Elizabeth Ives*, former Professor and Chairman of the Department of Pediatrics at the University of Saskatchewan in Saskatoon, will join the Department of Pediatrics on 1 July 1980 as a Clinical Geneticist in the recently formed province-wide program entitled "The Alberta Heritable Diseases Prevention Program." Dr. Ives will join Peter Bowen in the Division of Human Genetics to undertake diagnosis, treatment and prevention of heritable diseases in children.

## Retirees Honored

On Saturday, 30 May, at a function held in The Faculty Club, the Governors of The University of Alberta paid tribute to retiring members of staff. There were fifty-six people so honored and, although not all could attend, each received a silver tray as a small memento for service at and to the University.

In all, the people honored at their retirement have served a combined total of well over 800 years. They are: Margaret Auxier, Library; Hermann Bachmann, Physical Plant; Margaret Balogh, Physical Plant; Elsie Barlow, Housing and Food Services; James B. Bell, Secondary Education; Gerald L. Berry, Secondary Education; A. Reginald Butcher, Office of the Registrar; Mary Bredlow, Housing and Food Services; William J. Bruce, Mathematics; Leon Charnecki, Physical

Plant; Celestine Chevalier, Housing and Food Services; George Edwards, Technical Services; Isabelle Falconer, Library; Geraldine M. Farmer, Secondary Education; Frederick Fitzgerald, Chemistry; H.A. Sanford Fleming, Dentistry; E.A. Foster, Physics; Norma Freifield, Library; Lionel Fournier, Physical Education and Recreation; James R. Freestone, Physical Education and Recreation; Eva Gheress, Housing and Food Services; E.P. Goldsack, Physical Plant; Walter E. Harris, Chemistry; Walter A. Hiller, Campus Development; Pauline A. Klinck, Educational Administration; Mary Kowalyshyn, Housing and Food Services; Lydia Kupfer, Housing and Food Services; Dorothy Loowell, Library; Florence A. Loyer, Physical Education and Recreation; Gordon McIntyre,

Chemistry; Margaret McWilliam, University Health Service; Helen Murgatroyd, Dentistry; Margie Nesbitt, Special Sessions; Thomas H. Patching, Mineral Engineering; Helen L. Pierce, Educational Foundations; Allan Pringle, Animal Science; Donald Quon, Chemical Engineering; R. Renner, Home Economics; James G. Richardson, Special Services; Murray A. Rousell, Office of the Comptroller; Mary Rutherford, Bookstore; Elsie Schulte, Housing and Food Services; Willi Sibul, Physical Plant; Adele Siugzidinis, Housing and Food Services; W.E. Smith, Genetics; P. Stadnyk, Housing and Food Services; Beryl Steel, History; Lorne D. Stewart, Secondary Education; Kay Sutherland, Library; John Szatkowski, Campus Security; Jan Versendaal, Central Stores; and Morris Zipp, Physical Plant. □

## service information

Information must reach the Editor by 9 a.m. on the Thursday prior to publication. Written notification is necessary. Notices should be sent to 423 Athabasca Hall

## Coming Events

### Music

*Christian Arts Alberta Society* 16, 17 June, 5 to 7 p.m. Christian Arts Alberta Society will be holding auditions for the sacred opera "I Am The Way" by Jerome Hines. 1-29 Fine Arts Building. Chorus Director is Alexandra Munn. Please phone 483-1572 for appointment.

### **SUB Theatre**

18 June, 8 p.m. Squeeze in concert.  
24 June, 7:30 p.m. Downchild Blues Band in concert.

### **Lectures and Seminars**

#### **Department of Chemistry**

Dr. N.S. Narasimhan, Professor of Organic Chemistry at the University of Poona will present four public lectures in 103 V Wing at 11 a.m. on the following dates:  
12 June, "Synthetic Applications of Aromatic Lithiation Reactions."  
19 June, "Mechanism of Aromatic Lithiation Reactions."  
20 June, "Mechanisms of an Abnormal Vilsmeier-Haack Reaction."  
25 June, "Chemistry of Some Carbazole Alkaloids."

#### **Department of Chemistry**

#### **International Symposium on Carbohydrate Chemistry and Antibiotics**

16 and 17 June. In honor of Professor Raymond Lemieux on the occasion of his sixtieth birthday. E-160 Chemistry Building.

#### **Technocracy Inc.**

17 June, 8 p.m. W. Fryers will talk about "Technocracy—The Integration of Science and Society in America." Rocking Chair Lounge, HUB Mall.

#### **Art of Living Club**

18 June, 8 p.m. "Business, Money, Employment." 158 SUB. West entrance.

#### **Special Lecture Presentation**

18 June, 10 a.m. "Current Issues in Criminal Justice Research," presented by Dr. Carl F. Jesness, California Youth Authority, Sacramento, California. 1-108 Education North. Sponsored by Department of Educational Psychology, Department of Psychology, Department of Sociology, Institute for Criminological Research.

#### **The Reuben Benjamin Sandin Lecture Series**

23 June, 11 a.m. "Total Synthesis of a Gene."  
24 June, 11 a.m. "Recent Studies on the Purple Membrane Protein, Bacteriorhodopsin." Speaker: Dr. H. Gobind Khorana, the Alfred P. Sloan Professor of Biology and Chemistry at the Massachusetts Institute of Technology. E1-60, Chemistry Building.

#### **Radio and Television**

#### **Department of Radio and Television**

The following programs will be broadcast Sundays at 11 a.m.  
15 June, "Law of Copyright—Part II."  
22 June, "Law for Travellers"  
CKUA Radio (580AM/95FM).

#### **Exhibitions**

Rutherford Library Galleria  
Continuing. "Canada's West: Photo-

graphs from the University of Alberta Archives." A selection of historical photographs relating to Western Canada.

#### **University Special Collections**

"Sing, Shining Republic! Highlights of American Poetry, 1809-1978." B37 Cameron Library.

#### **Devonian Botanic Garden**

Plants in bloom during the third week of June: Antennaria, Barbarea, Dianthus, Geranium, Meconopsis, Mertensia, Primula, Sedum.

The Garden is open to the public Monday to Friday, 10 a.m. to 6 p.m. Saturdays, Sundays and Holidays 1 p.m. to 6 p.m. Guided Tours of the Garden will be offered during July and August and details of these will be given at a later date.

#### **Non-Credit Courses**

#### **Faculty of Extension**

#### **Management Introduction to Word Processing**

Date: 16 June. Fee: \$75, including lunches and material. Telephone: 432-5066, 432-5067.

#### **Word Processing Feasibility Studies**

Date: 17 June. Fee: \$75, includes lunches and materials. Telephone: 432-5066, 432-5067. (If both above courses are taken, fee for both days is \$125.)

#### **Students' Union**

#### **Students' Union Art and Craft Centre**

Until 31 July. Classes are offered in Drawing, Watercolor, Painting, Pottery, Batik, Weaving, Quilting, Crochet, Knitting, Spinning and Dyeing. Saturday Teen classes and Special Summer Workshops also available. For information call 432-4547, 432-3061.

#### **The School of the French Alliance**

Three two-week immersion courses for children and adults at all levels. Dates: 7 to 18 July; 21 July to 1 August; 4 to 15 August. For further information call 435-1969.

#### **Notices**

#### **The University Singles Group**

The University Singles Group has been meeting twice a month to enjoy social activities. We are sponsored by the Students' Affairs Office of The University of Alberta. If you are single, widowed, or divorced, and would like to participate in parties, dances and Sunday brunch, please give Audrey a call at 487-9195. Two events in June will wind up our agenda until September.

#### **Library Hours for 1 July weekend**

All libraries will be closed from

Saturday 28 June to Tuesday 1 July inclusive.

#### **Blood Donors Needed**

Blood donors needed for a research program in the Rheumatic Disease Unit in the Department of Medicine. 20 to 60 cc. of blood are normally taken per session between 8 and 9 a.m. A small remuneration is given. Please call 432-6280.

#### **CJSR Radio**

The News Department at CJSR Campus Radio will be attempting to give a more extensive and in-depth coverage of University events.

As well as being carried in our regular newscasts, two feature programs, Probe and U of A Science Magazine, will explore events and subjects in more detail.

We request that you notify us about any new research or theories being developed and special guests or forums sponsored by your department.

Our aim is to carry a comprehensive coverage of events on Campus. We can only do this with your cooperation.

#### **Biological Safety**

The "Canadian Association for Biological Safety" is a recently formed organization dedicated to the development of expertise and dissemination of knowledge in biological safety and related fields. Although initially formed from university biosafety personnel, membership is drawn from government agencies and manufacturers involved in biomedical work as well as from educational institutions. The president of the new organization is Jim Burrell of the University of Toronto and the vice-president (president-elect) is Dr. Susan Rubinstein of the University of Alberta.

Membership is open to all people and organizations professionally involved in fields concerning biological safety. For further information please contact: Dr. S. Rubinstein at 432-2310 or Dr. L. Young at 432-3142.

#### **Research Grants**

##### **Granting Agencies:**

##### **Application Deadlines**

This list of deadline dates for submissions to granting agencies for research funds, exchange programs, and travel grants is published every month in Folio. To allow sufficient time for processing, all applications should reach the Research Grants and Contracts Office at least ten days before the deadline date. Where other University resources are involved, the time requirement may be much longer than ten days and such applications should therefore be submitted well in advance. An extra copy of the application should be provided for the Research Grants and Contracts Office.

Further information may be obtained by consulting the *Calendar of Granting*

#### **Agencies for Research Funds, Exchange Programs, and Travel Grants**

which is available in the offices of Deans, Directors of Institutes and Centres, and the Department Chairmen, or by telephoning the Research Grants and Contracts Office, 432-2002. Note: Although the *Calendar* is updated on a continuous basis, the following information is subject to change without notice. If staff members have advance information on forthcoming changes, the Research Grants and Contracts Office would appreciate being advised.

Code: (R) Research Funds; (E) Exchange programs; (T) Travel grants.

<b>Granting Agency</b>	<b>Deadline</b>
Health and Welfare Canada	31 July
(R) Calendar Source	155
Social Sciences and Humanities Research Council of Canada	15 Oct. 15 Jan.
(R) Calendar Source	390
Social Sciences and Humanities Research Council of Canada—Travel Grants for International Scholarly Conferences; Travel Grants for International Representation	1 July 1 Nov. 1 Mar.
(T) Calendar Source	394
US Department of Health, Education, and Welfare—(R) Calendar Source	420
New and Supplemental Renewals	1 July 1 Nov. 1 Mar. 1 Oct. 1 Feb. 1 June

#### **Surplus Equipment**

For further information about the purchase of equipment or the disposal of any of your department's surplus equipment, consult Bonnie O'Dwyer or Roy Bennett, telephone 432-3208.

Pako print dryer Model 26.

Pako print dryer Model 44.

Pako print washer Model M3.

Durst 4x5 enlarger Model S-45.

Log E Tronics, electronic enlarger Model B-5.

Log E Tronics Accessory, enlarger control panel.

For further information please call David Sparling at 432-4185.

Technigraphic film drying cabinet.

Arkay dualdry promodel 150 print dryer.

For further information call G. Godby 432-6485.

6950 Intercept Junior Microprocessor System.

6951 B1KX12 Ram Module.

6952 P2KX12 Prom Module.

6953 PIEART I/O Module.

6957 Audio Module.

6954 ACI Cassette interface.

Commodore KIM-1 Microprocessor system and power supply.

For further information call Terry Nord 432-3894.

Sundowner tent trailer. For further information call Joyce Kurie 432-5631.

## **Positions Vacant**

### **Applications Analyst Supervisor**

The Office of the Registrar invites applications for the position of Applications Analyst Supervisor. The incumbent is responsible for the development, specification, and implementation of a computerized system to create, maintain and report course records. Specifically, this includes reviewing and defining systems and production requirements for processing and recording course data, registrations, examination schedules, timetables, space and facilities records and statistics in order to meet the needs of all campus users of course information as far as possible through an integrated data base. A more complete description is available to interested people.

Qualifications preferred are a University degree and administrative experience, ideally in a university or college setting. Experience with administrative applications of computer systems is highly desirable but not essential.

This is an APO position with a salary range beginning at \$18,500. Actual starting salary within this range will be commensurate with qualifications and experience.

Interested persons should apply to: Dr. W.A. Blanchard, Registrar, Registrar's Office, Room 201, Administration Building, The University of Alberta, Edmonton, Alberta T6G 2M7. The University of Alberta is an equal opportunity employer.

### **Administrative Assistant**

The Association of the Academic Staff of The University of Alberta requires an administrative assistant to assume responsibility for the day-to-day operations of the office, correspondence and routine enquiries from the members, act as secretary to the Council and committees of the Association and as research assistant. The position is available immediately. Salary range: \$1,365 to \$1,690. Send applications and résumé to Gordon Unger, Executive Secretary, AASUA, 347 Athabasca Hall.

### **Electronics Technician**

CJSR Radio requires persons to perform electronic design and construction projects for audio and broadcast applications. Remuneration for each completed project. For information telephone 432-5244.

### **Department Head Secretary**

The division of Family Medicine requires a person to fill the position of Department Head Secretary. Salary range is \$1,249 to \$1,345. For information G.L. Higgins, c/o Family Clinic, University of Alberta, Royal Alexandra Hospital, Edmonton, Alberta, T5H 3V9.

### **Academic Professional Officer**

#### **Adviser on Native Affairs**

Required to keep the University informed of the needs of Native Students and for promoting relations between the University and Native communities. Specific duties will include:

- advising native students on academic and personal affairs
- maintaining a close liaison with the native student body
- acting as a resource person for faculties and administrative bodies
- maintaining close contact with relevant government offices, native communities, and the general student body
- administering the Office on Native Affairs

Qualified applicants should have demonstrated evidence of ability in providing counsel to native students and keeping required liaison with the native student body.

Appointment would be at the Administrative Professional Officer level with salary commensurate with qualifications. The University offers a comprehensive employee benefits package.

Interested persons apply by submitting comprehensive résumé by 30 June 1980 to: The Chairman of the Advisory Selection Committee, Room 234 Athabasca Hall, University of Alberta T6G 2E8

### **Non-Academic Positions**

#### **Clerk (\$830.15-\$893.47)—University Health Services**

Clerk Typist II (\$830.15-\$991.42)—Institute of Law Research and Reform (trust); Civil Engineering

Library Clerk II (trust) (\$830.15-\$991.42)—Extension—Legal Resource Centre

Clerk Steno II (\$861.22-\$1,030.83)—Surgery

Senior Clerk (\$893.47-\$1,069.05)—Office of the Registrar

Clerk Typist III (\$922.13-\$1,109.66)—Office of the Registrar; English

Clerk Steno III (\$959.16-\$1,157.44)—Educational Administration; Civil Engineering; Personnel Services and Staff Relations; Faculty of Extension; Genetics; Educational Psychology (2 positions)

Clerk Steno III (part-time) (\$479.58-\$578.72)—Geology; Secretariat

Student Record Processing Clerk (\$959.16-\$1,157.44)—Dean of Arts

Medical Steno (\$1,030.83-\$1,257.77)—Medicine; Psychiatry; Surgery (2 positions)

Secretary (\$1,069.05-\$1,309.14)—Business Administration and Commerce; Office of the Registrar; Audio Visual Media Centre; Devonian Botanic Garden; Physical Therapy

Department Secretary (\$1,205.22-\$1,484.74)—Nursing; Surgical Medical Research Institute; Community Medicine

Senior Accounts Clerk (\$1,205.22-\$1,484.74)—Printing Services

Laboratory Assistant I (part-time) (\$415.08-\$446.74)—Surgical Medical Research Institute

Animal Assistant I (part-time, term) (\$430.16-\$515.42)—Surgical Medical Research Institute

Building Services Worker II (\$959.16-\$1,157.44)—Housing and Food Services (two positions)

Equipment Assistant I (\$991.42-\$1,205.22)—Physical Education

Typographical Tradesman I (\$991.42-\$1,205.22)—Printing Services

Security Watchman (\$861.22-\$1,030.83)—Housing and Food Services

Technical Assistant (\$991.42-\$1,205.22)—Pharmacology

Computer Assistant II (\$991.42-\$1,205.22)—Computing Services

Publications Assistant I (trust) (\$1,030.83-\$1,257.77)—Legal Resource Centre

Building Services Worker III (\$1,069.05-\$1,309.14)—Physical Plant (two positions)

Audio Visual Technician I (\$1,069.05-\$1,309.14)—Audiovisual Media Centre

Civil Engineering Technician I (\$1,069.05-\$1,309.14)—Civil Engineering

Animal Technician I (\$1,069.05-\$1,309.14)—Bioscience Animal Services

Technician I (term) (\$1,069.05-\$1,309.14)—Mechanical Engineering

Technician I (part-time, trust, term) (\$1,069.05-\$1,309.14 full-time equivalent)—Medicine

Technician I/Technologist I (trust) (\$1,069.05-\$1,484.74)—Pharmacology (2 positions)

Histology Technician (part-time) (\$1,109.66-\$1,365.29, full-time equivalent)—Surgical Medical Research Institute

Control Centre Operator I (\$1,109.66-\$1,365.29)—Physical Plant

Draftsperson I (\$1,109.66-\$1,365.29)—Physical Plant

Building Services Worker IV (\$1,157.44-\$1,423.81)—Physical Plant

Computer Operator (\$1,157.44-\$1,423.81)—Administrative Systems

Security Officer I (\$1,205.22-\$1,484.74)—Campus Security (two positions)

Chemical Technologist I (\$1,205.22-\$1,484.74)—Home Economics

Technologist I (part-time, trust) (\$1,205.22-\$1,484.74) (full-time equivalent)—Pediatrics

Technologist I (\$1,205.22-\$1,484.74)—Immunology (trust); Immunology (trust, term)

Biochemistry Technologist I (trust) (\$1,205.22-\$1,484.74)—Cancer Research Unit

Computer Operator II (\$1,257.77-\$1,550.43)—Educational Research Services

Art Technician Demonstrator I (\$1,309.14-\$1,617.33)—Art and Design

Nurse (term) (\$1,309.14-\$1,617.33)—University Health Services

Nurse (\$1,309.14-\$1,617.33)—University Health Services

Electronics Technician II/III (\$1,309.14-\$1,843.07)—Physics

Technologist II (\$1,365.29-\$1,690.17)—Plant Science (trust); Home Economics (Textile)

Administrative Assistant (\$1,365.29-\$1,690.17)—Faculté Saint-Jean

Assistant Supervisor Nursing Service

\$1,484.74-\$1,843.07)—University Health Services

Programmer/Analyst II (\$1,484.74-\$1,843.07)—Chemical Engineering

Art Technician Demonstrator II (\$1,484.74-\$1,843.07)—Drama

Engineering Technologist III (\$1,484.74-\$1,843.07)—Physical Plant

Programmer/Analyst II/III (\$1,484.74-\$2,195.45)—Administrative Systems (2 positions); Printing Services

Programmer/Analyst III (\$1,763.03-\$2,195.45)—Computing Services

Programmer/Analyst III/IV (\$1,763.03-\$2,629.04)—Health Sciences Computer Application

Engineering Technologist V (\$1,924.31-\$2,400.90)—Physical Plant

*The following is a list of currently available positions in the University of Alberta Libraries. The bulletin board in the Cameron Library—Room 512 should be consulted for further information as to availability and position requirements.*

Secretary (\$1,069.05-\$1,309.14)—Support Services

Programmer/Analyst III (\$1,763.03-\$2,195.45)—Systems

Programmer/Analyst IV (\$2,101.07-\$2,629.04)—Systems

## **Advertisements**

*Advertisements must reach the Editor by 3 p.m. on the Thursday prior to publication date which date also serves as the deadline for cancellation of advertisements. The cost of placing advertisements is 20 cents per word for the first week and 10 cents per word for subsequent weeks ordered before the next deadline. Advertisements must be paid for in advance, and are accepted at the discretion of the Editor. We regret that no advertisements can be taken over the telephone. For order forms or further information, telephone 432-2325.*

### **Accommodations available**

For rent—Bungalow at 8932 116 Street. \$600 monthly. No pets. Family. 439-4207.

For sale—By owner. 30 exceptionally scenic acres of woods and meadows, bordering 70 acre lake. All utilities to property, power installed to ideal building site. 34 miles south-east of Edmonton near Miquelon Lake. Asking \$43,000.—75 acres rolling high land. 60 acres cultivated, 15 acres birch and spruce. Ideal building site with all utilities to property. 30 miles southeast Edmonton, near Miquelon Lake. Asking \$73,000. 487-6477, 466-8569, 469-0762.

For sale—Immaculate, two storey, executive home. Superbly located in Riverbend. Fantastic landscaping. Well priced at \$179,000. Deanna Larson 481-0936 or Eva Kopecka 437-5603 or Spencer Real Estate 436-5250.

For rent—Oxford, England. Furnished, three bedroom house. Approximately

10 July to 10 September. 432-3467 or 436-0803.

For rent—Share Belgravia house, near University, during June, July, August. Very reasonable rent. Phone Chris 435-1558, 432-4740.

For rent—To family for summer school, houses close to University. Nominal rent. 435-2283, 434-0904.

House for rent—Half-duplex, attractive fully-furnished, two bedrooms, large, well treed lot, garage, near University. 1 July. \$395. 434-4951.

For rent—Fall to spring in England.

Two bedroom cottage, fully modern, in picturesque Yorkshire village, near coast and moors; 45 minutes to York. 435-6883.

For rent—Air conditioned, three bedroom house, double garage, large yard. Available for two year period. Furnished \$750, unfurnished \$650. Phone 489-4050, 9 a.m. - 9 p.m.

For sale—Country retreat. This unique, four bedroom, two storey home has 1,760 sq. ft. of livable space, with many extra features. It is situated in three acres of trees. The terraced garden can be enjoyed through large low set windows in the living and dining room. Call Maureen Westlake, 434-6958 or 436-5250. Spencer Real Estate.

For sale—Lovely split level home in park-like cul de sac in exclusive Grandview area. Sunken family room, main floor den and laundry room. A must to see. Faye Lund, Block Bros. Realty. 436-4240, 487-2422.

For sale—Windsor Park. Well maintained, custom-built bungalow, three bedrooms, den, fireplace, private back yard. 433-5385.

For sale—By owner. Parkview. Five bedroom bungalow. Developed basement. Quiet, attractive area. \$105,000. 483-6094 after 5 p.m.

For rent—Attractive, clean, bright, two bedroom basement suite. Fully

furnished. Well treed, 1½ lot property within easy walking distance of University. Buses nearby. Available 1 May. Rent: \$319 plus utilities. 434-4951 after 5 p.m.

For sale—Aspen Gardens. Three bedroom bungalow. Main floor family room facing back garden, two open fireplaces, large rumpus room, bedroom in basement. Two skylights for summer light, redecorated and immaculate./St. Albert Grandin Park. Custom built by Eckert Smith. 1,700 sq. ft. bungalow. Main floor family room, fireplace, patio doors from dinette and master suite, developed basement, large bathrooms. Bordered on two sides by treed park reserve. Reina Proudfoot, Royal Trust. 435-4869, 436-2556.

For sale—Immaculate one bedroom highrise apartment overlooking river, within walking distance of University. Fridge and stove included. Tastefully decorated. Full carpeting, large balcony. Price below market. \$62,000 firm. Phone 434-9232.

For sale—Four bedroom split level in established southwest area near wooded ravine, family room, two baths, fully carpeted, drapes, double garage, direct bus service to University, appliances available, by owner. \$128,500. 437-7421.

For lease—August for one year. Furnished, four bedroom home. Windsor Park. Large fenced yard, large finished recreation room, walking distance to University. Family preferred. 432-7745.

For sale—Near University. Spacious, two bedroom bungalow. Excellent condition on large RC1 lot. Developed basement easily adapted to legal suite. Garage. Good assumable mortgage at 10¾%. Asking \$79,800. Evenings 436-3338. No agents.

For sale—1,545 sq. ft. bungalow in Windsor Park with three bedrooms,

woodburning fireplace and parklike backyard which provides complete privacy and play area for children. Call Bob Halpern, Spencer Real Estate, 436-5250 or 437-4352.

For rent—Unfurnished, two bedroom house. Windsor Park. \$600 month. 482-6166.

For sale—One bedroom condominium in University district. Large living room, park setting. \$34,400. 437-4315 after 6 p.m.

For sale—Only \$34,500 for this immaculate, spacious, one bedroom condominium near University of Alberta. Fridge, stove. Assume \$20,000 11% mortgage. Try 10% down with vendor to carry. Call 429-6284 or 487-6617. Norman Realty.

For sale?? Too High?? Are most homes too high and the lots too small? Try this three plus bedroom home on 170' lot close to University of Alberta for only \$93,000. Call DeAnna Larson 481-0936 or Spencer Real Estate 436-5250.

For sale—2,100 sq. ft., five level, split with sound-proofed music room. Show room perfect inside. Beautifully manicured, 80x120 foot lot. \$64,000 mortgage at 10¼% until August, 1983. Call DeAnna Larson 481-0936 or Spencer Real Estate 436-5250.

For rent—Attractive, two bedroom house in quiet Millcreek area, close to University and downtown. July and August, 1980. 433-7531.

For rent—Unfurnished, one and two bedroom suite in highrise, near University Hospital. For appointment phone Mr. Andrews 433-1676.

For sale—Professor wanted—Walk to work and home for lunch. Ideally located in the heart of Garneau, this lovely old home has been recently renovated and decorated throughout and is awaiting a new owner. Four bedrooms, two storey centre hall plan, charming tea room, two fireplaces, wooden floors and more. Call Ron Holmes 436-3050, 434-6928 for details. Reduced to \$149,000. Potter Realty Co. Ltd.

For rent—Large, furnished, two room suite. July - August. One or two girls. Non-smokers. Reasonable. Crestwood. 453-2054.

For rent—Garneau. 1 July. 5 minute walk to University. Charming, partially furnished, two storey house. Ideal for visiting professor. Family. No pets. \$600 monthly. 432-2970, 433-5591 after 6 p.m.

For sale—By owner. Three bedroom, 1,260 sq. ft. bungalow in Terrace Heights on quiet crescent. Ten minutes from University. Large family kitchen. Developed basement. Carport and double garage. Asking \$98,500. 465-1116.

#### Accommodations wanted

Wanted to rent—10 - 30 August. One bedroom, furnished apartment, preferably with availability to swimming pool, saunas, etc. Call Edmonton School of Ballet. 435-1721 or 435-0761.

#### Automobiles and others

Wanted older Datsun 510 or other Japanese car, working or not. 477-2908.

1978 Ford, supercab, ¾ pickup, 4x4, locking hubs, V8, ps, pb, 4 speed, radio, jump seats, 25,000 miles, dual batteries, dual tanks; complete with 1977 Cascade eight foot deluxe camper, professionally mounted, queen sized bed, three way fridge, stove, heater, insulated. \$10,900 both units. 432-5367 days, 436-6456 evenings.

For sale—1966 Volkswagen. Good condition. \$475. 439-4702 after 5 p.m. Econoline Van, 1976 for sale. Semi-camperized. Phone 424-7632 after 7 p.m.

For sale—1976 Gremlin-X. 31,000 miles. \$1,800. Good condition. Owner moving. 432-0783.

1974 Fiat 128—Only 24,000 miles. Well maintained, second family car. Two door, four speed, front wheel drive, radial tires, electric rear defrost. Great little car. \$1,850. 466-2297.

Must sell boat and trailer. Brand new. Used only twice. 16', 1979 Silverline Boat. 150 hp, 1978 Mercury outboard motor. EZ Loader Trailer, 5 mc., 1,900 lbs. Full line of ski equipment and life jackets. Call Verona at 432-8519 or 456-2120.

1978 Honda Civic. Excellent condition. 48,000 miles. Radial tires. Quartz-halogen headlights. Phone Don 436-0485.

1973 Toyota Corolla. Good condition and excellent mileage. New battery and tires. Call evenings, 439-2134.

#### Goods for sale

For sale—Registered Anglo-Arab. 432-7859 or 432-6444.

For sale—Yamaha Grand GJ. As new. \$5,800. 436-8464.

Moving—For sale—Canoe, hideabed, bunks, rug, chairs, air conditioner, stove, tables, etc. 436-8148.

For sale—Black Yamaha upright P2H. Few months old. \$2,500. 436-8464.

Quech size sofa-bed and matching chair. Excellent condition 439-7964.

Portable Viking dishwasher. Can be built-in. Used less than one year. \$250. 437-4279 evenings.

Moving sale—Antique piano, mahogany sideboard and wardrobe, round birch table, chairs. Also self-cleaning, double oven-range, drapes. 487-5034.

#### Services

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## Vice-President (Research)

The first meeting of the Search Committee will be held shortly. Nominations for the position of Vice-President (Research) or indications of interest in the position should be made during the next three weeks by writing to President Horowitz, Chairman of the Search Committee, 3-1 University Hall. Both male and female members of staff are invited to apply.

now. Excellent workmanship and prices. Six years experience, free estimates. Phone 434-4833.

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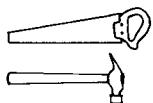
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course. \$75 - June. Intermediate Spanish continuous mini-group. 2 hours/5 weeks. \$50. Professor Alonso, 439-9125.

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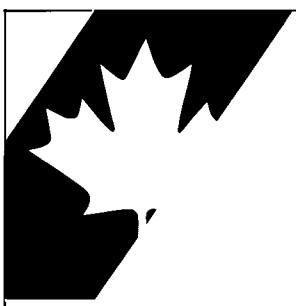
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# INTERESTED IN RESEARCH?

## MENTAL HEALTH PROJECT FUNDING NOW AVAILABLE

The Provincial Mental Health Advisory Council is now inviting mental health research proposals.

Proposals relating to the neuropsychological aspects of delinquency and maladjustment in adolescents will receive priority for the September 11, 1980 submission deadline.

The deadline for submission to other competitions are:

Continuing grants and research scholarships ..... January 16, 1981

New research grants .... September 18, 1981

To request guidelines and an application form, contact:

Executive Secretary  
Research Committee  
Provincial Mental Health  
Advisory Council  
10030 - 107 Street  
EDMONTON, Alberta  
T5J 3E4

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AND COMMUNITY HEALTH